

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	100248	(lead\$3 top first front) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L2	56014	(end\$3 last final terminal) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L3	732512	(dual multi multiple several two second) near2 layer\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L4	52377	multipuls\$3 (puls\$3 near2 train) (multi near2 puls\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L5	3061	L1 near5 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L6	1737	L2 near5 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L7	2829	L4 near5 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L8	22	L3 and (((L5 and L6) with (low\$5 less\$5)) same L7)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:02
L9	36	L3 and ((L5 and L6) with (low\$5 less\$5)) and L7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:03
L10	23	miura.in. and kato.in. and mizushima.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/17 12:03
L12	4	((((lead\$3 top first front) adj2 pulse\$2) and ((end\$3 last final terminal) adj2 pulse\$2) and ((dual multi multiple several two second other) adj3 layer \$2) and (multi\$2puls\$3 pulse\$2train (puls\$3 adj2 train) (multi adj2 puls\$3))). clm.	US-PGPUB	OR	ON	2008/03/17 12:09
S1	1	("20050088942").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/25 13:32
S2	89335	(lead\$3 top first) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:42

S3	33911	(end\$3 last final) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:46
S4	787	multipulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:43
S5	23561	(record\$3 writ\$3) near2 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:35
S6	109	S2 and S3 and S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:42
S7	6757286	low\$2 less\$2 small\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:42
S8	90911	(lead\$3 top first front) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:43
S9	48378	multipuls\$3 (puls\$3 near2 train) (multi near2 puls\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:44
S10	451	(S7 near5 S8) same S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:46
S11	51975	(end\$3 last final terminal) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:46
S12	547	(S7 near5 (S8 S11)) same S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:56
S13	242	(369/59.12).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/25 13:50
S14	12	S12 and S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:57
S15	803	(S7 near10 (S8 S11)) same S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 13:56
S16	18	S15 and S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 14:06
S17	6	S16 not S14	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 14:00
S18	1	("20010005350").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/25 14:03

S19	5	((("6842415") or ("6608806") or ("6529467") or ("6343056") or ("6236635")).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/25 14:06
S20	1214	(369/116).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/25 14:06
S21	41	S15 and (S13 S20)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 14:52
S22	465843	(dual multi multiple several two) near2 layer\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 15:09
S23	14	S21 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 14:27
S24	43526	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/10/25 14:48
S25	46	S15 and S24 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 15:34
S26	4096	((double two) near2 sided) and (optical near2 (disk disc medium))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 15:35
S27	1009	S24 and S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 15:35
S28	24	(S13 S20) and S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 18:18
S29	1813	lambda near2 "NA"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 18:18
S30	41	(S13 S20) and S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/25 18:18
S31	1	("20050088942").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/12 14:40
S32	92543	(lead\$3 top first) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S33	35057	(end\$3 last final) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S34	818	multipulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40

S35	25046	(record\$3 writ\$3) near2 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S36	114	S32 and S33 and S34	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S37	6997714	low\$2 less\$2 small\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S38	1	("20010005350").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/12 14:40
S39	94164	(lead\$3 top first front) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S40	1253	(369/116).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/12 14:40
S41	53377	(end\$3 last final terminal) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S42	49775	multipuls\$3 (puls\$3 near2 train) (multi near2 puls\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S43	826	(S37 near10 (S39 S41)) same S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S44	256	(369/59.12).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/12 14:40
S45	41	S43 and (S44 S40)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S46	466	(S37 near5 S39) same S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S47	4546	((double two) near2 sided) and (optical near2 (disk disc medium))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S48	45163	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/12 14:40
S49	491548	(dual multi multiple several two) near2 layer\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S50	49	S43 and S48 and S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S51	1825	lambda near2 "NA"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40

S52	565	(S37 near5 (S39 S41)) same S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S53	12	S52 and S44	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S54	18	S43 and S44	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S55	6	S54 not S53	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S56	5	((("6842415") or ("6608806") or ("6529467") or ("6343056") or ("6236635")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/12 14:40
S57	14	S45 and S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S58	41	(S44 S40) and S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S59	24	(S44 S40) and S47	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S60	1072	S48 and S47	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 14:40
S61	1294	(369/116).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:55
S62	275	(369/59.12).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:55
S63	4888	((double two) near2 sided) and (optical near2 (disk disc medium))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/30 12:55
S64	25	(S62 S61) and S63	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/30 14:53
S65	1	("6587948").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/30 14:53
S66	96983	(lead\$3 top first front) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 15:06
S67	1	("7193948").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/18 15:06

S68	7	("20040017752"   "20040022151"   "5490126"   "5745467"   "5756265"   "6345026"   "6791926").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 15:07
S69	54577	(end\$3 last final terminal) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 15:08
S70	51010	multipuls\$3 (puls\$3 near2 train) (multi near2 puls\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 15:09
S71	697318	(dual multi multiple several two second) near2 layer\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 15:10
S72	223	(S66 and S69) same (less \$5 lower\$3) same S70	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 15:10
S73	10	(S66 and S69) near5 (less \$5 lower\$3) near5 S70	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/18 16:20
S74	1	("7167431").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/18 16:20
S75	5	((("20020006579") or ("20050083819") or ("20050088942") or ("20050089798") or ("20060269872")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 09:25
S77	97063	(lead\$3 top first front) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:15
S78	54608	(end\$3 last final terminal) near2 pulse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:15
S79	698196	(dual multi multiple several two second) near2 layer\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:15
S80	51038	multipuls\$3 (puls\$3 near2 train) (multi near2 puls\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:16
S81	2928	S77 near5 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:16
S82	1656	S78 near5 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:16
S83	2711	S80 near5 power	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:16

S84	36	S79 and ((S81 and S82) with (low\$5 less\$5)) and S83	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 11:18
S85	22	S79 and (((S81 and S82) with (low\$5 less\$5)) same S83)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 12:19
S86	14	S84 not S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/20 12:19
S87	1	("7167431").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 12:53
S88	1	("7193948").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 12:53
S89	7	("20040017752"   "20040022151"   "5490126"   "5745467"   "5756265"   "6345026"   "6791926").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:54

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